

MATEJKA, W. A.

Calculation of the Combustion and the Determination of the Functional Dependence of the Variables in Cupola Melts, Using Diagrams. R. Piwowarsky and W. A. Matejka. (*Gieserei, Technisch-Wissenschaftliche Beihfte*, 1953, May, 543-547). The literature is first reviewed. Combustion diagrams introducing new factors are constructed. One of these shows the relation between the quantity of charge coke and the combustion ratio in the cupola for different hot-blast temperatures. A new diagram for the cold-blast cupola shows the relationships between melting capacity, combustion ratio, coke charged and quantity of air blown.—R. A. S.

①

MATEJKA, Zdenek, inz.; PROCHAZKA, Jiri

Possibility and method of iron removal from condensates by ion exchangers. Energetika Cz 13 no.3:131-134 Mr '63.

1. VSUPV, Ceskomoravska-Kolben-Danek Dukla, Praha.

MATEJKO, Antoni

Adaptation of young cadres to their first work.
Przegl gorn 18 no.9:521-524 S '62.

MATEJKO, Aleksander, dr.

The introductory training period, an important element in the shaping of a young technological staff. Przegl techn no.50:4,5 14 D '60.

MATEJKO, Aleksander

"How the man works; from studies of Polish psychologists, sociologists and economists". Reviewed by Aleksander Matejko. Praca zabezp
spol 3 no.11:82-88 '61.

MATEJKO, Aleksander

"Studies on the development of laboring classes." Reviewed by
Aleksander Matejko. Praca zabezp spol 3 no.12:76-79 '61.

MATEJKO, Aleksander

"Problems connected with the management of industrial enterprises"
by Bohdan Gliniski. Reviewed by Aleksander Matejko. Praca zabezp spol
4 no.1:86-89 '62.

MATEJKO, Aleksander

Training of managers in the field of tactful handling of personnel.
Praca zabezp spol 4 no.2:47-51 '62.

MATEJKO, Aleksander

"The structure of the workers' team in a Warsaw factory", a collective work. Reviewed by Aleksander Matejko. Praca zbiorowa 4 no.3:93-96
Mr '62.

MATEJKO, Aleksander

Problems of automation of production. Praca zabezp spcl 4
no.8:48-50 Ag '62.

MATEJKO, Aleksander

"Elements of sociology in industry" by Adam Sarapata, Kazimierz
Doktor. Reviewed by Aleksander Matejko. Praca zabezp spol 4
no.9/10:140-143 S-0 '62.

MATEJKO, A.

Adjusting young technical workers for their first work. Ochrona Pracy
17 no. 3:5-7. Mr '62

MATEJKO, Aleksander

"Psychosocial labor conditions in industrial enterprises; study on the social system of the socialist enterprise" by Salomea Kowalewska. Reviewed by Aleksander Matejko. Praca zabezp spol 5 no.2:72-75 F '63.

MALEJKO, N.; LIPA, M.

Conference on automation and regulation in industry, and on an automation
of resistance welding in automobile production. p. 225.

Vol. 4, no. 3, Aug. 1955
ZVAJANIE
Bratislava, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, no. 3, August 1955

MATEJKO, N.

"Television and radio news in Czechoslovakia in 1954." p. 38.

TECHNICKA PRACA. (Rada vedeckych technickych spolocnosti pri Slovenskej akademii vied). Bratislava, Czechoslovakia, Vol. 7, No. 1, 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

MATEJKO, N.

V. Kocandrl's Elektroenergetika (The Electro-Power Industry); P. I' &

TECHNICKA PRACA, Czechoslovakia, Vol. 7, No. 4, 1955

Monthly List of East European Accessions (EEAI), LC. VOL. 8, No. 9, September 1959
Uncl.

MATEJKO, N.

Measuring the depth of the amplitude modulation with an oscillograph,
p. 279, TECHNICKA PRACA (Statne nakladatelstvo technickej literatury)
Bratislava, Vol. 7, No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

SUVA, J.; MATEJKA, M.; KRISKA, M.; ROLLOVA, E.; MAYER, O.; Technická spolupráce: MATEJKOVA, B.

Effect of ascorbic acid on experimental liver damage. I. Serum transaminase in carbon tetrachloride lesions. Cesk. gastroent. vyz. 17 no.6:337-342 S '63.

1. Farmakologický ústav lékařské fakulty KU v Plzni, přednosta prof. dr. Z. Kocher Histologicko-embryologický ústav lékařské fakulty KU v Plzni, přednosta prof. dr. O. Slaby, DrSc.

(CARBON TETRACHLORIDE POISONING)
(ASCORBIC ACID) (AMINOTRANSFERASES)
(ALANINE AMINOTRANSFERASE)
(ASPARTATE AMINOTRANSFERASE)
(ENZYME TESTS) (BLOOD)
(HEPATITIS, TOXIC)

IAHN, Vilem, SUVA, Josef. Technicka spoluprace: SPEVACKOVA, J.; MATEJKOVA, B.

Sorbitol dehydrogenase activity in experimental liver diseases.
Plzen, lek. sborn. 23: 5-9 '64

1. Ustredni biochemicke laboratore GFN v Plzni (prednostar MUDr.
RNDr. V. Iahn); Ustav pro farmakologie lekarske fakulty Univ. -
sity Karlovy se sidlem v Plzni, (prednostar prof. MUDr. Zd.
Köcher).

L 52503-65 EPF(c)/EWP(j)/T Pc-4/Pr-4 RM

ACCESSION NR: AP5008512

Z/0009/65/000/003/0156/0158

AUTHOR: Kalal, J. (Kalal, Ya.); Zachoval, J. (Zachoval, Ya.); Matejkova, B.
(Mateykova, B.)

30
21
8

1
1
TITLE: Polymerization of butadiene, using a titanium tetrachloride - diethyl-
aluminum bromide catalyst

SOURCE: Chemicky průmysl, no. 3, 1965, 156-158

TOPIC TAGS: polymerization, butadiene, polybutadiene, catalyst, titanium tetra-
chloride, catalyst complex, stereospecific catalyst, aluminum titanium ratio, cis-
isomer, diethylaluminum bromide

ABSTRACT: The conversion, composition, and solubility of polybutadiene during
polymerization in n-hexane with a $(C_2H_5)_2AlBr + TiCl_4$ catalyst has been investi-
gated under various polymerization conditions. The experimental results show that
the produced polymers are of two types and depend on the Al/Ti ratio. At an Al/Ti
ratio of 3.8 and 5.7 the polymers are amorphous and rubbery, and contain 50-80%
cis-isomer. At an Al/Ti ratio of less than 2.85 the polymers consist of soluble
highly pure crystalline trans-1,4 isomers and an insoluble component. The insolu-

Card 1/4

L 52503-65

ACCESSION NR: AP5008512

ble component appears as a cyclic reticulated product containing a certain amount of the crystalline trans-1,4 isomer. The experimental results are given in Tables 1 and 2 of the Enclosure. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Vysoka skola chemickotechnologicka, Prague (Chemical Engineering University)

SUBMITTED: 03Mar64

ENCL: 02

SUB CODE: CC, CC

NO REF SOV: 000

OTHER: 014

Card 2/4

L 52503-65

ACCESSION NR: AP5008512

ENCLOSURE: 01

Table 1. Effect of polymerization conditions on the conversion, composition, and solubility of polybutadiene during polymerization in n-hexane with a $(C_2H_5)_2AlBr + TiCl_4$ catalyst

Ex- pe- ri- ment	Tem- pera- ture, C	Poly- meriza- tion time,	Mixing time of catalyst compon-	Ti con- centration, mmol/mol butadiene	Al/Ti	Mono- mer con- centra- tion, %	Conver- sion, % of material	Insol- uble fraction, % of total	Composition of sol fraction in CS_2 cis-1,4 trans-1,4 1,2
---------------------------	-----------------------------	-----------------------------------	--	---	-------	---	-----------------------------------	---	---

no.	hrs	mins	secs	temp, °C	viscosity, cP	refractive index	density, g/cm³	viscosity, cP	refractive index	density, g/cm³	viscosity, cP	refractive index	density, g/cm³
1	20	4	10	8.97	1.38	31.2	36.8	72.8	0	98.5	0.3		
2	20	4	15	6.97	1.28	31.2	34.8	—	0	98.3	0.7		
3	20	4	15	4.74	2.39	30.0	33.6	72.3	0	98.7	1.3		
4	20	2	15	4.74	2.39	30.0	17.5	—	0	98.3	0.7		
5	20	15	15	8.48	2.39	30.0	38.0	81.5	0	98.3	0.7		
6	20	58	15	4.74	2.39	30.0	44.0	83.7	0	98.5	0.5		
7	20	4	15	3.54	2.85	30.0	39.0	—	0	99.4	0.6		
8	20	4	15	2.49	2.71	29.5	36.0	82.3	87.4	39.4	4.2		
9	20	4	15	3.07	3.81	28.7	35.0	—	85.1	41.6	6.3		
10	20	4	15	3.48	5.88	28.0	42.6	28.5	78.5	19.8	1.8		
11	20	4	15	3.48	5.08	28.0	43.6	30.8	71.4	25.1	2.3		
12	20	4	15	1.74	5.08	30.2	21.0	88.2	52.2	45.1	0.7		
13	20	4	15	0.00	5.08	30.2	92.4	89.5	88.2	26.7	5.5		
14	30	4	15	11.40	5.05	30.5	99.0	84.1	49.2	22.4	28.3		
15	0	43	15	5.43	5.08	28.0	73.6	80.2	48.3	48.0	8.1		
16	40	4	15	3.48	5.08	28.0	69.8	85.2	80.8	35.9	4.6		
17	30	4	0	3.48	5.08	28.0	5.0	—	—	—	—		
18	20	4	00	3.48	5.88	28.0	89.2	82.8	73.2	29.1	3.0		
19	20	4	1080	3.48	4.68	28.0	1.8	—	—	—	—		
20	20	4	1080	3.48	5.68	28.0	21.0	—	75.1	24.4	0.57		

- 1) The insoluble fraction was determined by extraction with ether and benzene at 20C.
 2) Catalyst components were charged twice, the second half after the polymerization of 4hrs.
 3) The catalyst was prepared in the presence of a small quantity of gaseous butadiene.
 Card 3/4

L 52503-65

ACCESSION NR: AP5008512

ENCLOSURE: 02

Table 2. Soluble fractions of polybutadiene obtained from the polymerization of butadiene with a $(C_2H_5)_2AlBr + TiCl_4$ catalyst

Experiment no.	Solubility at 20°C		Solubility at boiling point		
	ether, % of material	benzene, % of material	acetone, % of material	ether, % of material	toluene, % of material
1	80.8	5.4	2.7	31.2	48.7
2	38.4	13.7	15.7	33.0	52.1
12	34.0	8.8	15.4	35.6	51.7
15	7.7	19.0	2.1	5.1	30.5

LL
Card 4/4

MATEJKOVA, L.

The range of cotton fabric samples for export purposes. p.60.
(Textile, Vol. 12, No. 2, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) 10. Vol. 6, No. 9, Sept. 1957. Incl.

Country : Czechoslovakia H-27
 Date :
 No. : 4/191
 Author : Matejkova, J.
 Institut. :
 Title : Procedures of Determining Alcohol Losses at
 Alcohol Distilleries.
 Ref. : Kvasny prumysl, 1957, 4, No 11, 256-259

Abstract : Description of more precise methods of collecting samples of liquids and gases and determining small amounts of alcohol (I) in them, by the bichromate method, and of aldehydes, by the bisulfite method. On investigation of two distilleries which process molasses by the methods of continuous fermentation with return to fermentation vats of yeast recovered by centrifuging of mature fermentation liquor, the following average indices were secured: Content of I in fermentation gases -- 225 and 230 mg/liter or 0.3% and 0.32% losses of I. Content of I in the water of continuous distillation columns, 35-70 mg/liter, or 0.16 and 0.22%

Chart: 1/2

MATEJKOVA, Vera

"Solved mathematical tasks" by O. Maska. Reviewed by Vera
Matejkova. Aplikace mat 7 no.1:77-78 '62.

MATEJKOVA, Vera

"Solved problems from mathematics. Planimetry" by O. Maska.
Reviewed by Vera Matejkova. Aplikace mat 7 no.6:468-469
'62.

MATEJNY B

SOBEL, Lad.

CZASOPISNÍK

MD

Regional Institute of Public Health (KUNZ), Pulmonary Clinic of
Faculty Hospital (plicna klinika fakultnej nemocnice), Kosice;
Head: Lad. SOBEL, MD

Prague, Rozhledy v tuberkulóze a v nemocích plicních, No 9, Oct 62,
pp 687- 692

"The Incidence and Pathogenesis of Extensive Pulmonary Tuberculosis
in the Territory of Former Kosice Region."

Co-authors:

MATEJNY, B., no degree indicated; Sanatorium for Pulmonary Tubercu-
losis (Liečebna pľucnej tbc), Kvetnica pri Poprade;
Director: Jozef NEUMANN, MD.

SZABO, T., no degree indicated; Department for Tuberculosis of the
Hospital of the Okres Institute of Public Health (Tbc oddelenie
nemocnice OUNZ), Rožňava; Director: Ladislav JURČ, MD.

1/2

MATEJOV, Jozef, inz.

Analysis of the economic effectiveness of new technology with regard to the development of new materials. Pod org 17 no. 12: 535-538 D '63.

1. Vyskumny ustav kablov a izolantov, Bratislava.

JEDLIČKA, Václav, inz. CSc.; OTTA, Karel; MATEJČKA, Simona, inz.; LINHART, Alois

Experimental investigation of egg paste by gamma irradiation. Czechoslovakian J. Food Technol. 1977, 10(1):1-4.

1. Central Research Institute of Food Industry, Prague (for collection on Ota). 2. Prague University of Applied Sciences, Prague (for MATEJČKA and LINHART).

RASKA, K.; MATEJOVAKA, V.

Epidemiology and prevention of Staphylococcal infections in hospitals. Cas. lek. cesk. 95 no.43:1203-1212 26 Oct 56.

1. Ustav epidemiologie a mikrobiologie v Praze, reditel prof. MUDr. Karel Raska.

(MICROCOCCUS PYOGENES, infect.
epidemiol. & prev. in hosp. (Cz))

MATEJOVASKA, D.; JELINEK, J.

On the question of the experimental evaluation of typhoid vaccines.
J. Hyg. Epidemiol., Praha 1 no.1:88-94 1957.

1. Institute of Epidemiology and Microbiology, Prague. Director:
Professor K. Raska, M.D., D.Sc.
(TYPHOID FEVER, immunology,
vaccine, standard. on animals)

L 30077-66 EWF(v)/T/EWF(t)/EWF(k) IJP(c) JD/HM/HW
 ACC NR: AP6020600 SOURCE CODE: CZ/0038/65/000/010/0381/0381

AUTHOR: Matejovic, Karol--Mateyovits, K. 37
 13

ORG: Nuclear Power Station, Skoda Plant, Plzen (Skoda, oborovy podnik Plzen, zavod
 Jaderna elektrarny)

TITLE: Influence of cold rolling upon the structure and properties of welded austenitic steel CSN 17246 4

SOURCE: Jaderna energie, no. 10, 1965, 381

TOPIC TAGS: cold rolling, austenitic steel, annealing, flat plate, welding, solid mechanical property/CSN 17246 austenitic steel

ABSTRACT: Experimental results obtained with thick plates welded and rolled after welding are described. The study was conducted at room and at elevated temperatures. The change in mechanical properties at varying depth is discussed. Influence of annealing on original and on welded material is evaluated. The article is an abstract of report No Ae 646/Dok. [JPRS]

SUB CODE: 11, 13 / SUBM DATE: none

Card 1/1 20

UDC: 669.14.018.2(437)

SZASZ, G.; MATEJOVITS, M.

Lymphoid reaction virosis. Orv.hetil. 91 no.33:1006-1009 13 Aug
50. (CIAML 20:5)

1. Of the Internal Diseases Department (Head Physician--Dr.
Gyorgy Szasz), Szent Gyorgy General Hospital (Director--Dr. Elek
Benedek) Fejermegye.

EXCERPTA MEDICA Sec.17 Vol.4/4 Public Health, etc. Apr 58
MATEJČOVSKÁ, D.

III0. ON THE QUESTION OF THE EXPERIMENTAL EVALUATION OF TY-
PHOID VACCINES - Matějovská D. and Jelfnek J. Inst. of Epi-
demiol. and Microbiol., Prague - J. HYG. EPIDEM. MIKROBIOL. IMMUNOL.
1957, 1/1 (88-94) Graphs 4 Tables 2

In order to compare Czechoslovak and some foreign antityphoid vaccines, mouse-
protective potency assays were made. On analysing these tests a direct relationship
was found between the titre of Vi agglutinins and the vaccine protection index. An
argument for the universal validity of this phenomenon was obtained by a comparison
of the spectra of antibodies in rabbit and human sera. This is why vaccines of
high Vi agglutinin production, i. e. alcohol and acetone killed, should be recom-
mended as the most effective.

MATEJOVSKA, D.; JELINEK, J.; RASKA, K.

On the problem of experimental evaluation of vaccines against typhoid and paratyphoid. Cesk. epidem. mikrob. imun. 8 no.5: 299-303 Sept 59

1. Ustav epidemiologie a mikrobiologie v Praze.
(TYPHOID, immunol.) (PARATYPHOID FEVERS, immunol.)
(VACCINES)

SERY, Vladimir; MATEJOVSKA, Dobromila; JEZEK, Zdenek; SODJA, Ivan

'An epidemic of gastroenteritis caused by portable water. Cesk. epidem.
mikrob. imun. 10 no.4:226-239 ~~21~~ 61.

1. Ustav epidemiologie a mikrobiologie v Praze.
(GASTROENTERITIS epidemiol) (WATER SUPPLY microbiol)

RASKA, K.; MATEJOVSKA, D.; JELINEK, J.

Report on the results of laboratory investigations of field trial
typhoid vaccine K and L. J. hyg. epidem. 6 no.4:428-435 '62.

1. Institute of Epidemiology and Microbiology, Prague.
(TYPHOID-PARATYPHOID VACCINES)

I 54075-06

ACC NR: AP6025865

SOURCE CODE: CZ/0043/65/000/008/0604/0610

AUTHOR: Dratovsky, Milan--Dratovski, M. (Docent; Doctor of natural sciences; Candidate of sciences; Prague); Matejkova, J.--Mateychkova, Ya. (Graduate chemist; Prague)

ORG: Department of Inorganic Chemistry, Faculty of Natural Sciences, Charles University, Prague (Katedra anorganické chemie Přírodovědecké fakulty Karlovy university)

TITLE: Salts of periodic acid. (XI). Lead periodates

SOURCE: Chemické zvesti, no. 8, 1965, 604-610

TOPIC TAGS: lead compound, thermal decomposition, chemical decomposition, x ray photography, chemical valence, magnetic susceptibility

ABSTRACT: Thermal decomposition of periodates $Pb_3(IO_5)_2 \cdot H_2O$; $Pb_2I_2O_9 \cdot 3H_2O$ and $Pb_4I_2O_{11} \cdot 5H_2O$ was investigated in the temperature range of 50 - 700°C. Product containing a hexavalent I, $PbIO_4$ was found. X-ray pictures of $Pb_3(IO_5)_2$, $Pb_2I_2O_9 \cdot 3H_2O$ were compared to those of $HgIO_6$ and $Pb(IO_3)_2$ and those of $Pb_2I_2O_9$ to those of $PbIO_4$. It was found that these substances were different from each other. The chemical formula, and the hexavalence of the I in $PbIO_4$ were confirmed by magnetic susceptibility. The authors thank Graduate Chemist F. Vilim, Institute of Solid State Physics, CSAV, Chemist V. Haber and Graduate Chemist J. Loub, Faculty of Natural Sciences, Karlov University, Prague, for technical cooperation. Orig. art. has: 5 figures and 2 tables /JPRS/

Cord 1/1 LS SUB CODE: 07, 20 / SUBM DATE: 17Feb65/ORIG REF:009/SOV REF:001/OTH REF:001

0916

0996

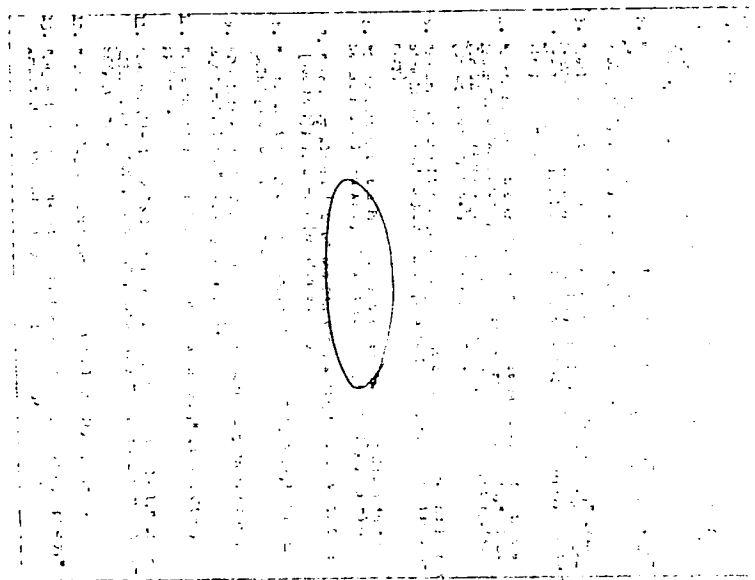
MATEJOVSKA, O.

"Contribution to study of the geology of the southeastern edge of the Algonquian between Klatovy and Kolovci."

VESTNIK, ustredni ustav geologicky, Prague, Czechoslovakia, Vol. 34, No. 3, 1959.

Monthly List of East European Accessions (EEAI), DC, Vol. 8, No. 8, August 1959.
Uncl.

MATEJOVSKA, Olga



MATEJOVSKÉ, V;

RASKOVA, H; RASKA, K; SORMOVA, Z; SOURKA, J; MATEJOVSKÉ, V; ZELINKOVÉ, B.

Certain properties of Shiga Kruse toxin. Cas. lek. cesk. 89 no.49:
1373-1376 8 Dec 50. (CLML 20:4)

1. Of the Institute of Pharmacology of Charles University, of the
Institute of Organic Technology in Prague, and of the National
Institute of Health.

RASKOVA, H.; RASKA, K.; MATEJOVSKA, V.; RYBOVA, B.

Certain properties of *Shigella shigae* toxin. Cas. lek. cesk.
91 no.21:617-618 23 May 52.

1. Z farmakologickeho ustavu Karlovy university a se statního
zdravotnickeho ustavu v Praze.

(SHIGELIA,
dysenteriae, toxin.)

RASKOVA H.; HYBOVA, B.; RASKA, K.; MATEJOVSKA, V.

Certain characteristics of Shigella shigae toxin. III. Sensitivity of interoceptors of intestinal vessels. Cas.lek.cesk. 91 no.45-46: 1348-1350 14 Nov 52.

1. Z farmakologickeho ustavu Karlovy university. Z Ustavu pro epidemiologii a mikrobiologii v Praze.

(DYSENTERY, immunology,

vaccine, eff. of immun. of animals on sensitivity of intestinal vasc. interoceptors)

(VACCINES AND VACCINATION,

dysentery vaccine, eff. of immun. of animals on sensitivity of intestinal vasc. interoceptors)

(INTESTINES, physiology,

eff. of dysenterial vacc. on sensitivity of vasc. interoceptors in animals)

MATEJOVSKA, V.

RASKOVA, H.; RASKA, K.; RYBOVA, B.; MATEJOVSKA, V.

Certain properties of toxin of *Shigella shigae*. V. Modifications of parabiologic processes produced by *Shigella shigae* toxin. Cesk. hyg. epidem. mikrob. 2 no.1:44-50 Feb '53.

1. Z farmakologickeho ustavu Karlovy university a z Vyskumneho ustavu epidemiologie a mikrobiologie v Praze.

(SHIGELLA,

dysenteriae toxin, eff. on nerve conduction)

(NERVES, effect of drugs on,

Shigella dysenteriae toxin)

MATEJOVSKA, V.

RASKA, Karel; MATEJOVSKA, V.

Experience with bacteriophage in bacillary dysentery. Cesk. hyg.
epidem. mikrob. 2 no.1:68-72 Feb '53.

1. Ustav epidemiologie a mikrobiologie, Praha.
(DYSENTERY, BACILLARY, therapy,
bacteriophage)
(BACTERIOPHAGE, therapeutic use,
dysentery, bacillary)

RASKOVA, H.; RYBOVA, B.; RASKA, K.; JELINEK, J.; MATEJOVSKA, V.

Certain properties of the Shigella Shigae toxin. Effect of adenosine triphosphoric acid upon the toxicity of Shigella Shigae toxin. Chekh.fiziol.2 no.2:203-208 '53. (MLRA 7:2)

1. Farmakologicheskiy institut universiteta im. Karla IV i institut epidemiologii i mikrobiologii, Praha.

(Toxins and antitoxins) (Adenylpyrophosphoric acid--
Physiological effect)

MATEJOVSKA, V.

Proteins and amino acids. XV. Isolation and properties
of protein toxins of *Shigella dysenteriae*. R. Bann, Z.
Sornová, P. Sebestová, and V. Matějovská. Collection
Czech. Chem. Commun. 18, 11315k. H. L. H.

MATEJOVSKA, V.

RASKOVA, H.; RASKA, K.; MATEJOVSKA, V.; RYBOVA, B.

Certain properties of *Shigella shigae* toxin. VI. Effect of certain drugs on modifications induced with *Shigella shigae* toxin. Chekh. fiziol. 3 no.3:306-312 1954.

1. Farmakologicheskiy institut universiteta im. Karla IV i institut epidemiologii i mikrobiologii, Praga.

(BLOOD PRESSURE, physiology,

eff. of *Shigella dysenteriae* toxin, eff. of various drugs on induced changes)

(SHIGELLA,

dysenteriae, toxin, eff. on blood pressure, eff. of various drugs on induced changes)

MATEJOVSKA, Vera; JELINEK, Jiri

Experience with phago-typing of Salmonella typhi. Cesk. epidem.
mikrob. imun. 8 no.3:168-172 May 59.

1. Ustav epidemiologie a mikrobiologie v Praze.
(SALMONELLA TYPHOSA,
phago-typing (Cz))
(BACTERIOPHAGE,
Salmonella typhosa typing (Cz))

VANECKE, J.; RASKOVA, H.; JELINEK, J.; RASKA, K.; ROTTA, J.; MATEJOVSKA, V.

Changes of animal resistance to bacterial toxins induced by phenol.
Cesk. fysiол. 8 no.3:256-257 Apr 59.

1. Katedra farmakologie fak detskeho lek. KU a Ustav pro epidemiologii
a mikrobiologii, Praha. Predneseno na III. fysiologickych dnech v Brne
dne 14. 1. 1959.

(BACTERIA,

toxins, eff. of phenol on animal resist. (Cz))

(PHENOLS, effects,

on animal resist. to bact. toxins (Cz))

MATEJOVSKA, V.; RASKA, K.

Use of phage typing in the epidemiology of staphylococcal infections in maternity hospitals. Cas. lek. cesk. 103 no. 32:866-873 Ag 7 '64.

1. Ústav epidemiologie a mikrobiologie v Praze (režitel prof. dr. K. Raska).

MATEJOVSKA, V.; JELINEK, J.

Results of a long-term study on the sensitivity of staphylococci to antibiotics. Cas. lek. cesk. 103 no.45:1233-1237 6 N '64.

1. Ustav epidemiologie a mikrobiologie v Praze, (reditel prof. dr. K. Raska).

MATEJOVSKA, V.; JELINEK, J.

Correlation of antibiotic and phage resistance. Cas. lek.
cesk. 103 no.46:1280-1281 13 N '64.

1. Ustav epidemiologie a mikrobiologie v Praze (reditel prof.
dr. K. Raska).

S/271/63/000/003/043/049
A050/A126

AUTHOR: Matějovskiy, Ivan

TITLE: Operating experience with an electronic computer

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 76, abstract 3B452 (Automatizace, 1962, v. 5, no. 9, 251 - 252; Czech.)

TEXT: The author gives a description of the results in the utilization of a "Ural-1" type digital computer over the years 1959 - 1962 at the Institute of Information Theory and Automation of the Czechoslovak Academy of Sciences. A table is shown indicating the number of days and hours in a year that the machine operated and how many hours were used for the solution of given types of problems. Some considerations are set forth on the exploitation of machines of this type: the preference of continuous (three-shift) operation, the expediency of using the night shifts only for debugging of programs, the necessity for a yearly three-week general preventive overhaul and so on. It is announced that in the course of a year all the tubes and 500 - 600 diodes were replaced. A calcu-

Card 1/2

Operating experience with an electronic computer

S/271/63/000/003/043/049
A060/A126

lation of the hourly cost of operation of the digital computer "Ural-1" (93
Crowns under the condition that the effective operating time constitutes 70% of
the total operating time of the machine). There are 1 figure and 1 table.

I. M.

[Abstracter's note: Complete translation]

Card 2/2

MATEJOVSKY, Ivan, inz.

Automatic calculation center. Automatizace 6 no.5:128
My '63.

MATEJOVSKY, J.

Geological research in testing rock mechanical properties.
Vysl ban vyzk 3:119-124 '64.

1. Institute of Mining, Czechoslovak Academy of Sciences,
Prague.

CZECHOSLOVAKIA/Chemical Technology. Chemical
Products and Their Applications.
Food Industry.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21285

Author : Hanus, Jaroslav; Matejovsky, Karel;
Necadova, Marie

Inst : -

Title : Sanitation in Bread Baking.

Orig Pub : Prumysl potraviny, 1956, 9, No 6, 317-321

Abstract : No abstract.

Card : 1/1

H-123

KLEINT, Zd.; KAFKA, V.; MATEJOVSKY, M.; VLCEK, K.; ZAK, P.

Endobronchial sarcoma in three-year-old child. Cesk. pediat.
11 no.12:895-900 Dec 56.

1. II. Chirurgická Klinika, predn. akademik Jiri Divis.-Klinika
Pediatrické Chirurgie, Predn. Doc. Dr. V. Kafka.-Klinika Detské
Otorhinolaryngologie KU v Praze, predn. doc. Dr. J. Chvojka.
-Detské Oddelení o nemocnice v Klatovech, predn. prim. Dr. K. Vlcek
-II. ústav Protopathologické Anatomie KU, predn. prof. Dr.
V. Jedlicka.

(BRONCHI, neoplasms

endobronchial sarcoma in child, surg. (Cz))

MATEJOVSKY, M.

Isolated injury of the trachea. Cesk. pediat. 15 no.2:124-129
F '60.

1. Detska otorinolaryngologicka katedra fakulty detskeho lekarstvi
v Praze, vedouci doc. MUDr. J. Chvojka.
(TRACHEA wds. & inj.)

MATEJOVSKY, V.; SPICKA, V.

Long-term catalytic oxidation tests of turbine oils. Ropa a
uhlíe 5 no.7:209-214 JI'63.

1. Benzina, n.p., Odbor techniky mazání a paliv.

MATEJOVSKY, V.; NOVAK, V.; SCHNABEL, B.; SPICKA, V.; VECERKA, M.
ZIDEK, J.

Turbine oils from high-pressure hydrogenates of paraffin oils
from sulfurous petroleum. Kopa a uhlie 5 no. 9:260-265 S '63.

1. Department of Lubrication and Fuel Technology Benzina
National Enterprise, Prague (for Matejovsky). 2. Chemicke zavody
Ceskoslovenskosovetskeho pratelstvi National Enterprise,
Zaluži v Krusnych horach (for Novak and Schnabel). 3. Slovnaft
National Enterprise, Ostrava Branch Enterprise (for Vecerka
and Zidek).

MATEJSKI, F.

Conclusions from the conference on transportation problems of the USSR. p. 223.
Vol. 10, no. 11, Nov. 1955. Motoryzacja.

SOURCE: East European Accessions List (EAL), LC, Vol. 5, no. 3, March 1956.

KR. KOWSKI, Jan, prof. mgr inż.; MATYSKI, Ryszard, mgr inż.

Foam method for deslusting polyvinyl chloride. Gosp. part. 13. 2:
50-51 F 65.

MATEJU, Frantisek

Automobiles Praga are reliable help in performance of transportation tasks. Tech praca 14 no.10:853-856 '62.

1. Automobilove zavody, Letnany, n.p.

MATEJU, F.

New Praga autotrucks. Tech prace 15 no.9:704-705 8'63.

KUCERA, L., inz.; MATEJU, I., inz.

The between-the-lens Synchro-Compur shutter. Jemna mech opt 6 no.4:
106-110 Ap '61.

1. Meopta, n.p., Prerov.

(Cameras)

MATEJU, J.; KLIMES, M.

Cases for automatic pencils. p. 93.

Tropical assignments for rationalizers and inventors in 1955. p. 95.

(PAPIR A CELULOZA, vol. 10, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4,
No. 11, Nov. 1955, Uncl.

MATEJU, J

TECHNOLOGY

Periodicals: ELEKTROTECHNIK Vol. 14, no. 3, Mar. 1959

MATEJU, J. Selecting proper motor for electric appliances. p. 84.

Monthly List of East European Accessions (EEAI) LC, Vol. 6, No. 5,
May 1959, Unclass.

KUCERA, L., inz.; MATEJU, J., inz.

The between-lens shutter Prontor SVS. Jemna mech opt 5 no.12:379-382
D '60.

MATEJU, J., inz.; KUCERA, L., inz.

The between lens shutter Metax, made in Czechoslovakia.
Jemma mech opt 6 no.2:37-39 F '61.

1. Meopta n.p., Prerov.

Mateju. J

REJHOLEC, Jaroslav; WAGNER, Vladimir; MATEJU, Jaroslav; CERNY, Jaroslav;
HRUBOCHOVA, Marie; MALY, Vladimir

Prevention of rheumatic fever. Cas. lek. cesk. 96 no.40-41:1292-1298
11 Oct 57.

1. Vyskumny ustav chorob reumatickych v Praze, reditel prof. Dr. Frant.
Lenoch. Bakteriologicke oddeleni--nemocnice Bulovka, prednosta doc.
Dr. Vlad. Wagner OUNZ -- Mezibori Litvinov, Ucliste st. prac. saloh.
Ustav Pro Organisaci Zdravotnictvi KU, Prednosta prof. Dr V. Prosek.
(RHEUMATIC FEVER, prevention and control
(Cs))

MATEJU, Josef, inz.

The automatic calculating machine Ural 2. Cs spoje 7 no.4:18-20
Apr '62.

1. Vypočetní laborator dopravy a spoju.

MATEJU, Vladimir

Making of fabrics in the future. Tech praca 15 no.3:190-192
Mr '63.

1. Vyzkumny ustav bavlnarsky, Usti nad Orlici.

MATEKIN, P.V.; TURLYGINA, Ye.S.; SHALAYEVA, N.M.

Biology of protostrongylid larvae in sheep and goats in connection with the epizootology of the infection caused by *Protostrongylus* in Central Asia. Zool.shur. 33 no.2:373-394 Mr-Apr '54. (MLRA 7:5)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta.
(Soviet Central Asia--Nematoda) (Nematoda--Soviet Central Asia)
(Parasites--Sheep) (Parasites--Goats)

MATEKIN, P.V.

~~Systematic position of certain species of land mollusks of Tien Shan.~~
Biol.MOIP. Otd.biol. 59 no.2:90 Mr-Apr '54. (MLRA 7:6)
(Tien Shan--Mollusks) (Mollusks--Tien Shan)

MATEKIN, P.V.

**Taxonomic position of *Succinea chinensis* Pf. 1857 (Gastropoda, Pulmonata, Stylommatophora). Dokl.AN SSSR 111 no.4:901-902 D '56.
(MLRA 10:2)**

**1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
Predstavleno akademikom V.N.Sukachevym.
(Peiping--Gastropoda)**

MATEKIN, P.V.

New data concerning the area of distribution of *Succinea elegans*
Risso (Gastropoda, Pulmonata, Stylomatophora). Dokl. AN SSSR 111
no. 5: 1144-1146 D '56. (MLRA 10:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom V.N. Sukachevym.
(Pulmonata)

MATEKIN, P.V.

SO(1)
AUTHOR: Arnel'di, K. V., Doctor of Biological Sciences SOV/30-59-2-46/60

TITLE: Problems of Soil Zoology (Problemy pochvennoy zoologii)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 2, pp 104-105 (USSR)

ABSTRACT: The 1st All-Union Conference on these problems took place in Moscow from November 25 to 29, 1958. It was attended by representatives of the Ukrainiyskaya SSR, the Baltic and Central Asiatic Republics, especially from Uzbekistan, altogether 115 persons. From the many lectures which were heard the author briefly mentions the following:
M. S. Gilyarov spoke of basic research problems of the zoology of invertebrates and the tasks of soil zoology.
A. I. Zrazhevskiy, V. K. Eglitis, S. I. PUDONAROVA and Ya. L. Nikol'skiy reported on problems of soil productivity in connection with the activity of invertebrates and their soil-forming rôle.
I. I. Malavich reported on the investigation of earth worms.
M. M. Alexeyev, Kazanskiy filial Akademii nauk SSSR (Kazan' Branch of the Academy of Sciences, USSR) reported on the soil fauna of the Tatarskaya ASSR.
V. K. Baluyev (Ivanovo) characterized the soil fauna of arable soils.
V. I. Orinai'skiy (Kiyev) reported on the soil-forming rôle played by ants in forests.
P. V. Matekin (Moscow) reported on the variability of the well-known inhabiting the soil in connection with different conditions of life.
Yu. B. Bystrya, M. P. Krivosheina, G. P. Kurnikova, S. M. Mamayev, L. M. Semakova, I. V. Stabayev, laboratoriya pochvennoy zoologii Instituta morfologii zhivotnykh im. A. N. Severtsova Akademii nauk SSSR (Laboratory of Soil Zoology of the Institute of Animal Morphology imeni A. N. Severtsov of the AS USSR) delivered 6 reports, which were followed by reports of young zoologists from Moscow under the scientific supervision of M. S. Gilyarov. On this conference the existence of soil zoology as an independent and important subject was demonstrated and the necessity of its integration into the number of problems coordinated by the AS USSR was emphasized. The next conference on soil zoology will probably be held in Kiyev in 1961.

Card 1/2

Card 2/2

(14

MATEKIN, P.V.

Adaptive variability and speciation in Central Asian terrestrial mollusks of the family *Enidae*. Zool.zhur. 38 no.10: 1518-1536 0 '59. (MIRA 13:2)

1. Chair of Invertebrate Zoology, Moscow State University)
(Snails) (Variation (Biology))

MATEKIN, P. V., Cand Biol Sci (diss) -- "Material on the fauna of land molluscs of Central Asia". Moscow, 1960. 22 pp (Moscow Order of Lenin State Univ. M. V. Lomonosov, Soil-Biol Faculty), 150 copies (KL, No 10, 1960, 128)

Neobolus fortis. W. J. Neobolus sakalovi var.
n. sp., and the first anguillid stage. Biol. Zh. 1964,
Vol. 90 no. 3-35-46 by 12 1965. (NINA 12 10)

MALEKOVIC, S.

What must every clear-sighted wine-drinker know? p. 57. (in the ...
Vol. 5, no. 1, 1954, Ljubljana, Yugoslavia)

SO: Monthly list of East European Accessions, (EAL), p. 1, Vol. 1, no. 1
Jan. 1955, Incl.

CZECHOSLOVAKIA/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53824

Author : Matekovic, Stanko

Inst : Scientific Research Institute of Horticulture and Viti-
culture

Title : The First Results of the Selection of the Golden Grape
Varieties of the Scientific-Research Institute of Horti-
culture and Viticulture in Maribor

Orig Pub : Sadjar., vinar., vrtnar., 1957, 44, No 5, 147-151

Abstract : Experiments on the selection were conducted on 34 wine,
table and general purpose grape varieties. From 1947 to
1956, 40,000 plants were separated as the result of 5-step
selection. From 1951 to 1956 the selection from the foll-
owing varieties was conducted: Rhein Riesling, Green
Sil'vanets, Sovin'on, Shipon, Rulandets, Zhilakhtina,

Card 1/2

- 129 -

UCHASTKIN, Petr Vasil'yevich. Prinimali uchastiye: MATILENOK, D.A.,
nauchnyy sotrudnik; KRAVTSOVA, A.S., nachnyy sotrudnik;
TRYAPKIN, M.P., nachnyy sotrudnik. TETEREVNIKOV, V.N., kand.
tekh.nauk, spetsred.; DENISOVA, I.S., red.; RAKOV, S.I.,
tekh.n.red.

[Air conditioning units for hot working shops] Ustanovki
iskusstvennogo klimata v goriachikh tsekhakh. Izd-vo VTsSPS
Profizdat, 1958. 270 p. (MIRA 12:5)
(Metallurgical plants--Air conditioning)

MATELENOK, D.A.; FILIPPOV, V.I., otv. red.; SEMENOV, A.G., tekhn.
red.

[Cooling of the air or circulating water in centrifugal
fans] Okhlazhdenie vozdukha ili oborotnoi vody v tsentro-
beznykh ventilatorakh. Leningrad, Profizdat, 1963. 95 p.
(MIRA 17:2)

UCHASTKIN, Petr Vasil'yevich, kand. tekhn. nauk; TETREVNikov,
Vladimir Nikolayevich; MATELENOK, Dmitriy Antonovich;
Prinimal uchastiye FLEISHMAN, P.L.; KOUZOV, P.A., nauchn.
red.; DENISOVA, I.S., red.

[Air conditioning of industrial buildings] Konditsionirova-
nie vozdukha v promyshlennykh zdaniakh. Moskva, Profizdat,
1963. 422 p. (MIRA 17:5)

1. Rukovoditel' laboratorii konditsionirovaniya vozdukha
Vsesoyuznogo nauchno-issledovatel'skogo instituta okhrany
truda, Leningrad (for Uchastkin).

MATELOVA, V.

Effect of interrupted aeration on chlorotetracycline formation. V. Matelová, M. Musilová, J. Netasck, and P. Smetkal (Výzk. ústav antibiotik, Ružičky u Prahy, Czech.) *Preslia* 27, 27-34 (1955).—The influence of interrupted aeration in both lab. and tank fermentation was studied during the submerged fermentation of chlorotetracycline (I). *Streptomyces aureofaciens* growing on the medium of Van Dyck and De Somer (C.A. 47, 1774c) was used. Aeration was interrupted during the first 50 hrs. (total fermentation time 120 hrs.). The ratio of the aeration time to time of interruptions is of fundamental importance in the final result: when this ratio was 1:1-11:1, the av. yield of I was only 14%, but in the reverse ratio (longer time of interruptions) the yield was 72% against the controls. The abs. time of single interruptions in the proportions mentioned was 5-120 min. When reducing the time of aeration to 1 min., the effect on production of I was observed. K. Matyáš

(3)

CZECHOSLOVAKIA / Microbiology. Antibiosis and
Symbiosis. Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76672.

Author : Matelova, Vlasta; Necasek, Jan.

Inst : Not given.

Title : Influence of Fermentation Conditions on the
Formation of Penicillin by the Strain *Penicillium*
Chrysogenum 51-20.

Orig Pub: Ceskosl. mikrobiol., 1956, 1, No 6, 255-262.

Abstract: The strain 51-20 did not lose activity after its
storage as spores for 2 months. The vegetating
mycelium could be stored no more than 1 week. In
laboratory conditions, during cultivation in a
circular rocker, the 51-20 strain formed an aver-
age of 1316 units of antibiotics in 1 Ml. If
the cultivated material is passed twice in a

Card 1/2

12

CZECHOSLOVAKIA / Microbiology. Antibiosis and
Symbiosis. Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76672.

Abstract: medium with sugar and corn extract and in a fermentation medium including lactose, corn extract and peanut flour, the activity of the strain increases to 1560 units per 1 ml. The intensity of aeration influenced the formation of penicillin, together with other conditions of fermentation. -- I. V. Ulezlo.

Card 2/2

CZECHOSLOVAKIA / Microbiology. Antibiosis and
Symbiosis. Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76671.

Author : Matelova, Vlasta.

Inst : ~~Not given.~~

Title : Stability of Highly-Productive Strains of Penicillins.

Orig Pub: Preslia, 1956, 28, No 2, 219-220.

Abstract: The productivity of *Penicillium chrysogenum* 49-133, which forms penicillin, does not change with its passage from agar mediums after the eighth generation. In the 13th generation, the productivity decreases approximately to half that of the original. Significant heterogeneity of the strain is established in relation both to the morphological properties and to the productivity (productivity

Card 1/2

11

GEROL'D, M. [Herold, M.]; GOSHTYALEK, Z. [Hostalek, Z.]; NECHASEK, Ya.
[Necasek, J.]; MATELOVA, V.

The influence of benzyl thiocyanate on the synthesis of chlortetracycline with direct enrichment by ground barley. Antibiotiki 4
no.5:33-35 S-O '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy institut antibiotikov, Roztoki,
Chekhoslovakiya.

(CHLORTETRACYCLINE chem.)

(THIOCYANATES chem.)

MATELOVA, V.; NECHASEK, Ya. [Necasek, J.]

Conditions for phenoxymethylpenicillin synthesis. Antibiotiki ⁴
no.5:40-44 S-O '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy institut antibiotikov, Roztoki u Pragi,
Chekhoslovakiya.
(PENICILLIN rel.cps.)

MATELOVA, V.; GEROL'D, M. [Herold, M.]

Biosynthesis of penicillin G and V by strain G-163. Anti-
biotiki 8 no.6:4830487 Je'63 (MIRA 17:3)

Nauchno-issledovatel'skiy institut antibiotikov, Roztoki u
Pragi.

MATELOVA, V.

Study of conditions for the biotransformation of 6-azauracil to 6-azauracil riboside. Cesk. farm. 13 no.7:353-357 S 1971.

1. Vyzkumny ustav antibiotik, Roztoky u Prahy.

BULGARIA/General Problems of Pathology. Neoplasms.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37283

Author : Maten, M.

Inst :

Title : The Problem of Simultaneous Development of Cancer
and Tuberculosis of the Lung.

Orig Pub: Svrem. med., 1957, 8, No 4, 61-64.

Abstract: Seven cases of simultaneous onset of cancer and
tuberculosis of the lungs are described. The author
denies the validity of the opinion of non co-existence
of cancer and tuberculosis of the lung.

Card : 1/1

S A

B C

3892. Contribution to the investigation of turbo-alternators working under synchronous, asynchronous and impulse conditions. V. Operation under impulse conditions. MATENA, S., *Elektrotech. Ocz.*, 1-20 (Aug., 1948) Suppl. to Czech.—Test results on a two-pole turbo-alternator are investigated theoretically. The impulse was obtained by connecting a reactor into the circuit of the loaded generator, or by cutting it out again. When the load is resistive, the transient is purely electro-mechanical, whilst the magnetic field is practically unaffected. The opposite is the case when the load is purely reactive, the impulse then having the character of an incomplete short-circuit. With a mixed loading, the impulse phenomenon is both electro-mechanical and electromagnetic. B. P. K.

COMMON ELEMENTS

MATERIAL INDEX

ASD SLA DETALLURGICAL LITERATURE CLASSIFICATION

SECTION DIVISION

SECTION DIVISION

SECTION DIVISION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										PROCESSES AND PROPERTIES INDEX																									
SA																										64																									
461. Direct measurement of transient reactances of a synchronous generator. S. MATINA. <i>Elektrotech. Obs.</i>, 39, 249-59 (July, 1950) in Russ. The method described uses a magnetic oscillograph for recording the equalizing currents in both windings of the machine when working under impulse conditions. These are produced by the switching surges on throwing on and off an additional, known external reactance while the alternator with a purely reactive load is working on "infinite bus-bars." The relation of the equalizing currents as derived from the oscillogram yields an important auxiliary constant k which, substituted into a formula containing the known reactances (the auxiliary reactance and that of the transformer) leads to the "sub-transient" or impulse reactance. It is shown that it is possible to analyze the oscillogram so as to eliminate successively the influences of the rotor damper during the initial stages of the impulse and to isolate the pure transient by a retrogressive process back to the instant of the impulse. The nature and meaning of the transient reactances and the periods of their respective influences are analyzed and their use is shown for calculating stability, field currents and efficiency of the machine under various operating conditions. The results agree well with those of short-circuit tests.																										B. F. KRAUS																									
ASD-51A METALLURGICAL LITERATURE CLASSIFICATION																										B-2																									
SOURCE SYNDICATE																										SOURCE SYNDICATE																									
SOURCE #1																										SOURCE #1																									
SOURCE #2																										SOURCE #2																									
SOURCE #3																										SOURCE #3																									
SOURCE #4																										SOURCE #4																									
SOURCE #5																										SOURCE #5																									
SOURCE #6																										SOURCE #6																									
SOURCE #7																										SOURCE #7																									
SOURCE #8																										SOURCE #8																									
SOURCE #9																										SOURCE #9																									
SOURCE #10																										SOURCE #10																									
SOURCE #11																										SOURCE #11																									
SOURCE #12																										SOURCE #12																									
SOURCE #13																										SOURCE #13																									
SOURCE #14																										SOURCE #14																									
SOURCE #15																										SOURCE #15																									
SOURCE #16																										SOURCE #16																									
SOURCE #17																										SOURCE #17																									
SOURCE #18																										SOURCE #18																									
SOURCE #19																										SOURCE #19																									
SOURCE #20																										SOURCE #20																									
SOURCE #21																										SOURCE #21																									
SOURCE #22																										SOURCE #22																									
SOURCE #23																										SOURCE #23																									
SOURCE #24																										SOURCE #24																									
SOURCE #25																										SOURCE #25																									
SOURCE #26																										SOURCE #26																									
SOURCE #27																										SOURCE #27																									
SOURCE #28																										SOURCE #28																									
SOURCE #29																										SOURCE #29																									
SOURCE #30																										SOURCE #30																									
SOURCE #31																										SOURCE #31																									
SOURCE #32																										SOURCE #32																									
SOURCE #33																										SOURCE #33																									
SOURCE #34																										SOURCE #34																									
SOURCE #35																										SOURCE #35																									
SOURCE #36																										SOURCE #36																									
SOURCE #37																										SOURCE #37																									
SOURCE #38																										SOURCE #38																									
SOURCE #39																										SOURCE #39																									
SOURCE #40																										SOURCE #40																									
SOURCE #41																										SOURCE #41																									
SOURCE #42																										SOURCE #42																									
SOURCE #43																										SOURCE #43																									
SOURCE #44																										SOURCE #44																									
SOURCE #45																										SOURCE #45																									
SOURCE #46																										SOURCE #46																									
SOURCE #47																										SOURCE #47																									
SOURCE #48																										SOURCE #48																									
SOURCE #49																										SOURCE #49																									
SOURCE #50																										SOURCE #50																									
SOURCE #51																										SOURCE #51																									
SOURCE #52																										SOURCE #52																									
SOURCE #53																										SOURCE #53																									
SOURCE #54																										SOURCE #54																									
SOURCE #55																										SOURCE #55																									
SOURCE #56																										SOURCE #56																									
SOURCE #57																										SOURCE #57																									
SOURCE #58																										SOURCE #58																									
SOURCE #59																										SOURCE #59																									
SOURCE #60																										SOURCE #60																									
SOURCE #61																										SOURCE #61																									
SOURCE #62																										SOURCE #62																									
SOURCE #63																										SOURCE #63																									
SOURCE #64																										SOURCE #64																									
SOURCE #65																										SOURCE #65																									
SOURCE #66																										SOURCE #66																									
SOURCE #67																										SOURCE #67																									
SOURCE #68																										SOURCE #68																									
SOURCE #69																										SOURCE #69																									
SOURCE #70																										SOURCE #70																									
SOURCE #71																										SOURCE #71																									
SOURCE #72																										SOURCE #72																									
SOURCE #73																										SOURCE #73																									
SOURCE #74																										SOURCE #74																									
SOURCE #75																										SOURCE #75																									
SOURCE #76																										SOURCE #76																									
SOURCE #77																										SOURCE #77																									
SOURCE #78																										SOURCE #78																									
SOURCE #79																										SOURCE #79																									
SOURCE #80																										SOURCE #80																									
SOURCE #81																										SOURCE #81																									
SOURCE #82																										SOURCE #82																									
SOURCE #83																										SOURCE #83																									
SOURCE #84																										SOURCE #84																									
SOURCE #85																										SOURCE #85																									
SOURCE #86																										SOURCE #86																									
SOURCE #87																										SOURCE #87																									
SOURCE #88																										SOURCE #88																									
SOURCE #89																										SOURCE #89																									
SOURCE #90																										SOURCE #90																									
SOURCE #91																										SOURCE #91																									
SOURCE #92																										SOURCE #92																									
SOURCE #93																										SOURCE #93																									
SOURCE #94																										SOURCE #94																									
SOURCE #95																										SOURCE #95																									
SOURCE #96																										SOURCE #96																									
SOURCE #97																										SOURCE #97																									
SOURCE #98																										SOURCE #98																									
SOURCE #99																										SOURCE #99																									
SOURCE #100																										SOURCE #100																									